

## KCNQ5, A NOVEL POTASSIUM CHANNEL

### ABSTRACT OF THE DISCLOSURE

The invention provides isolated nucleic acid and amino acid sequences of  
5 KCNQ5, antibodies to KCNQ5, methods of detecting KCNQ5, methods of screening for  
potassium channel activators and inhibitors using biologically active KCNQ5, and kits for  
screening for activators and inhibitors of voltage-gated potassium channels comprising  
KCNQ5.

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